

e1 The presence of other gene and protein sequences bearing significant homology to Drosophila S2P (SEQ ID NO:4) was investigated using the BLAST family of computer programs (Altschul et al., supra). The following amino acid sequences were the most similar: S2P Homo sapiens (GI2745733); S2P Cricetulus griseus (GI2745731); SP2 metalloprotease, Homo sapiens (GI4164134 and GI4164135); putative protein Arabidopsis thaliana (GI2982448); conserved protein Methanobacterium thermoautotrophicum (GI2622476); and Orf c04034 Sulfolobus solfataricus (GI1707806). The most homologous sequence was human S2P (GI2745733) which shared 9 contiguous amino acids at positions 201-207 of SEQ ID NO:4. Amino acid 127 to 501 of SEQ ID NO:4 shares 32 % sequence identity with amino acids 148 to 515 of GI2745733.

Please delete the paragraph on page 41 lines 8-19 and replace it with the following:

e2 These reactions, together with sequence from M13 forward and reverse primers, gave a full sequence in both directions that was nearly identical to the posted, unfinished sequence from Y47D3. The cDNA sequence of the ceSREBP gene is provided in SEQ ID NO:1. The cDNA is 3419 nucleotides long. This full-length clone contained a single open reading frame with an apparent translational initiation site at nucleotide position 24 and a stop signal at nucleotide position 3365. The predicted polypeptide precursor is 1113 amino acids long. Additional features include an acidic domain at about nucleotides 24 to 233 (amino acid residues 1 to 69); a possible second acidic domain at about nucleotides 987 to 1040 (amino acid residues 321 to 338); a basic Helix-loop-helix domain at about nucleotides 1089 to 1286 (amino acid residues 355 to 421); a first transmembrane domain at about nucleotides 1455 to 1514 (amino acid residues 477 to 497); and a second transmembrane domain at about nucleotides 1653 to 1706 (amino acid residues 543 to 561).

**Remarks**

Deleted figures 3A – 10 are redundant, as they contain the same nucleic acid and amino acid sequence information provided in SEQ ID NOs: 1-8.

The replacement paragraph on page 56 lines 34-36 and page 57 lines 1-7 differs from the deleted paragraph in that it omits an improper reference to Figure 2.

The replacement paragraph on page 41 lines 8-19 differs from the deleted paragraph in that it omits an improper reference to Figure 2. Both the deleted and the replacement paragraphs properly describe that SEQ ID NO:1 provides the ceSREBP cDNA sequence. The amended sentence is reworded for grammatical clarity.